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*[Continued on next page]*

**(57) Abstract:** The present invention relates to an interventional procedure simulation system, comprising a control unit and an interface unit, said control unit communicating with said interface unit to simulate handling of a number of simulated nested instruments simultaneously interfaced by said interface unit and, said instruments being arranged to move and rotated independently of each other and said movements and rotations being propagated to the other instruments. The control unit further comprises an instruction set comprising: a first instruction set for handling and processing input from said user, based on said input, generating a second instruction set for controlling said interface, a first data set comprising characteristics for said instruments, a second data set comprising data on a body part to be stimulated, and a third instruction set for generating control signals relating to an interaction between said simulated instruments and a surrounding geometry relating to a part of said simulated body part.

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